

**ABSTRACT OF THE DISCLOSURE**

An apparatus and method provide an apparatus and method for performing the addition of a PKG recoded number, to reduce noise production and power consumption. In particular, the apparatus is accomplished by a circuitry configured to receive at least two values, a first value and a second PKG value. The apparatus generates a sum value and a carry value. The method is accomplished by receiving a first value and second PKG value, and generating a sum value and a carry value from the first value and second PKG value.